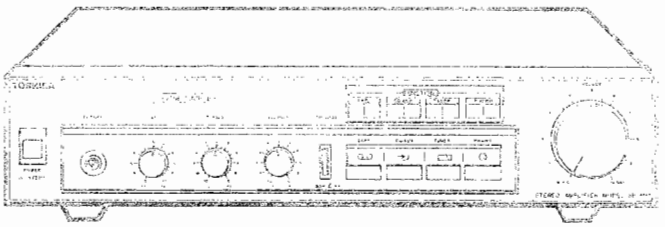
OWNER'S MANUAL

SB-M17

STEREO AMPLIFIER



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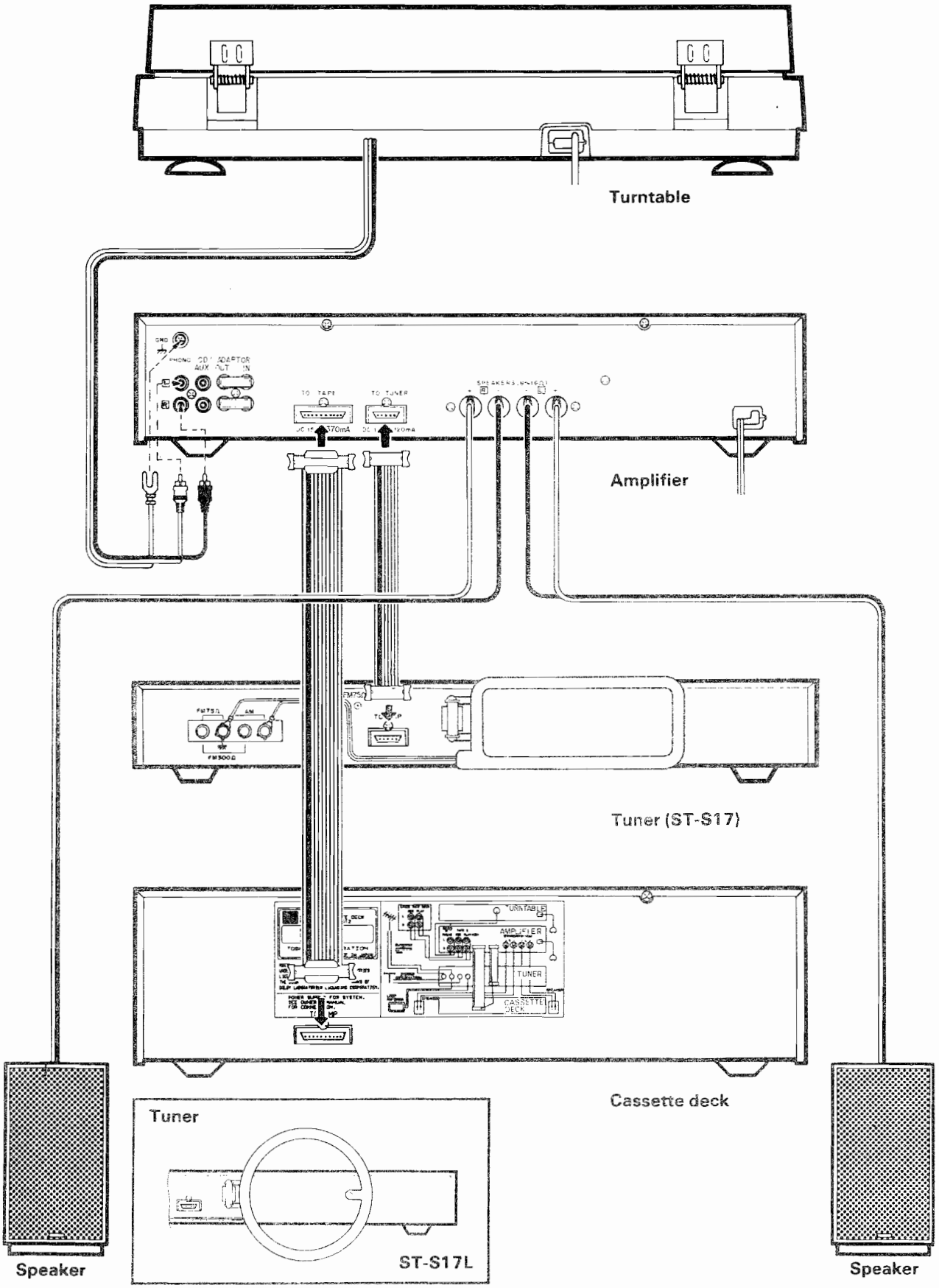
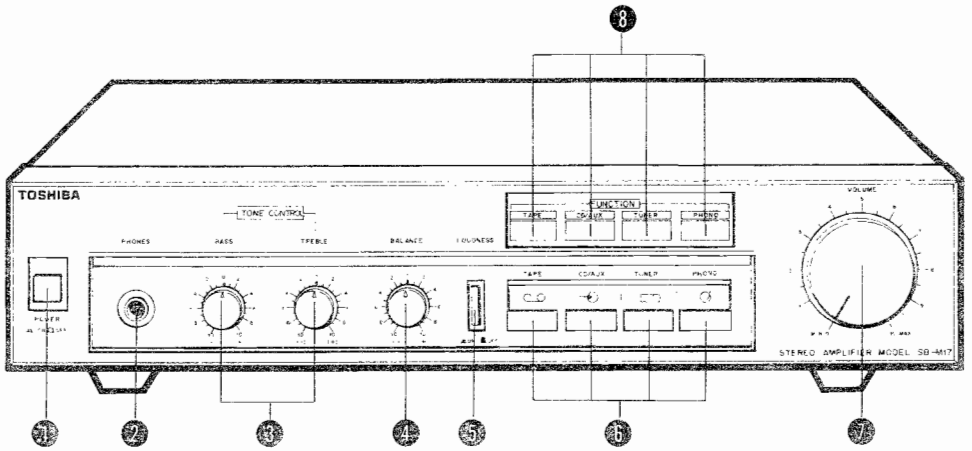
System Connections

Anschlüsse
Branchements
Aansluitingen
Collegamenti
Anslutningar



Front Panel Facilities



① POWER switch
Depress this switch to turn the power on, depress again to turn the power off.

② PHONES jack
Plug into this jack when listening through headphones.

③ BASS and TREBLE controls
Turn these knobs clockwise from the centre zero (flat) position to emphasize bass or treble. Turn counterclockwise to attenuate (decrease) bass or treble.

④ BALANCE control
Turn this knob to adjust volume balance between left and right speakers.

⑤ LOUDNESS switch
Depress this switch for listening at very low volume levels. The loudness circuit emphasizes the low frequency region for a natural tonal balance at low volume levels. (This switch is effective between zero and the midpoint position of the VOLUME control.)

⑥ FUNCTION selectors
Choose the desired program source by pressing one of these buttons:

PHONO:	For a turntable
TUNER:	For a tuner
CD/AUX:	For a compact disc player or an audio component.
TAPE:	For the PC-G12 or the PC-G17W connected to the TAPE

⑦ VOLUME control
Turn this knob to adjust the volume level.

⑧ FUNCTION indicators

Operations

Note: Until all connections have been properly completed, leave the power supply cords unplugged and the POWER switched OFF.

■ Connections of speakers to amplifier

Connect the right speaker cord to "R" amplifier speaker output terminal and the left speaker cord to "L" terminal. Be sure to connect the plus terminal of the speaker to the plus terminal of the amplifier speaker output terminal and minus to minus. Wrong connection of plus and minus results in loss of sound quality in the stereo mode.

- Be sure to leave the amplifier POWER switch OFF while making connections.
- Don't short-circuit the amplifier speaker output terminals.

Note: Use speakers with an impedance of at least 8 ohms to avoid overloading the amplifier.

- Confirm that the VOLUME control is in the zero position before power is turned on.

■ To play phonograph records

Connect output cables from turntable to PHONO jacks of the amplifier. If the turntable is equipped with an earth wire or terminal, be sure to connect it to earth terminal (GND) of the amplifier. Overlooking this simple point may result in hum.

To listen to radio broadcasts

Connect the tuner and the amplifier to each other using the included specified cord.
There is no special need to link the tuner and amplifier with an earth wire.

To use the CD/AUX jacks

When a compact disc player or an audio component is connected to the CD/AUX jacks, depress the CD/AUX function selector. Operate connected component according to its instruction manual. Finally, adjust volume and tone as desired.

To use a tape deck

(1) **Tape deck connections**
Connect the tape deck (PC-G12/PC-G17W) and the amplifier to each other using the included specified cord.

(2) **To play back a tape**
To play TAPE depress the TAPE switch.

(3) **Tape monitoring**
When recording with a tape deck equipped with proper tape monitoring facilities, monitoring is possible when using TAPE.

(4) **To record**
Prepare the program source (from the turntable, tuner or other equipment) to be recorded, and set the tape deck in the recording mode. Note that during the actual recording, amplifier VOLUME, BASS and TREBLE controls will have no effect on the recording level or tone.

Connection of the ADAPTOR jacks

Connect a graphic equalizer, etc., to these jacks. Connect the output jacks of the ADAPTOR to the input jacks of the graphic equalizer and connect the input jacks of the ADAPTOR to the output jacks.

Specifications

General

Power supply:	AC 220V ∿, 50 Hz
Power consumption:	100W
Weight:	4 kg
Dimensions:	420 (W) × 89 (H) × 241 (D) mm

Amplifier

Continuous power output:	
60 Hz ~ 12.5 kHz both ch. driven:	30W + 30W (8Ω, IEC)
Total harmonic distortion:	at rated output: 0.9% at 1/2 rated output, 1 kHz: 0.07%
Frequency response:	20 Hz ~ 100 kHz (−$\frac{1}{2}$ dB) 30 Hz ~ 20 kHz ±0.5 dB (RIAA equ.)
Power band width (IHF):	10 Hz ~ 70 kHz (1% THD 8Ω)
Load impedance:	8Ω ~ 16Ω
S/N (IHF A Network):	97 dB (CD/TAPE/TUNER) 73 dB (PHONO)
Input sensitivity/ impedance:	PHONO 2.5 mV/47 kΩ CD/AUX 150 mV/47 kΩ
Tone control:	BASS: (at 100 Hz) ±9 dB TREBLE (at 10 kHz) ±9 dB
Loudness control:	+9 dB (at 100 Hz)
Phono overload level:	140 mV (0.9% THD)

Heat dissipation:
When stacking audio equipment such as an amplifier, tuner and cassette deck, always be sure to place the amplifier at the top.
Because the amplifier radiates a significant amount of heat when driven at high power output, do not cover the ventilation openings.

** Design and specifications are subject to change without notice.*

MEMO

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